

WHAT IS CLAIMED IS:

1. An adjustable positioning device for positioning a work piece on a work platform, the adjustable positioning device comprising:

5 a base having a plurality of sockets, the base being disposed on the work platform;

a supporting frame, comprising:

a supporting portion protruded from a lateral side of the supporting frame;

10 a plurality of bars protruded from the bottom of the supporting frame, the bars inserted into the sockets for coupling the supporting frame onto the base, the relative position between the supporting frame and the base can be adjusted according to a width of the work piece; and

a slot penetrating the supporting frame and extending along a sliding-down direction with one end of the slot closer to the supporting portion
15 being lower than the other end of the slot; and

a slide block comprising a sliding section , a fixing mechanism, and a

pressing section, wherein the sliding section is slidably received in the slot,
and the fixing mechanism capable of selectively fixing the sliding section onto
the supporting frame;

wherein due to the weight of the slide block, the sliding section is able
5 to slide along the sliding-down direction, to make the pressing section moving
towards the supporting portion, so that the work piece is retained by the
pressing section and the supporting portion.

2. The adjustable positioning device according to claim 1, wherein the
work piece is a liquid crystal display screen (LCD screen) which can stand
10 erect on the work platform when retained between the pressing section and
the supporting portion.

3. The adjustable positioning device according to claim 1, wherein the
work platform is a moving platform on a conveyer.

4. The adjustable positioning device according to claim 1, wherein the
15 base and the work platform are coupled together via bolts.

5. The adjustable positioning device according to claim 1, wherein the
installation of the adjustable positioning device corresponds to a measuring

and testing equipment, wherein the sockets are arrayed in matrix form on the base, the relative position between the supporting frame and the base can be adjusted according to the relative position between the work piece and the measuring and testing position of the measuring and testing equipment.

5 6. The adjustable positioning device according to claim 1, wherein the sliding section is made of metal materials.

7. The adjustable positioning device according to claim 1, wherein the fixing mechanism is a bolt.

8. An adjustable positioning device for positioning a work piece on a work
10 platform, wherein the adjustable positioning device comprises:

 a base having a plurality of sockets, the base being disposed on the work platform;

 a supporting frame having a plurality of slots, the supporting frame comprising:

15 a supporting portion protruded from a lateral side of the supporting frame; and

a plurality of bars formed at the bottom of the supporting frame,
the bars inserted into the sockets; and

a slide block comprising a sliding section and a pressing section, the
sliding section slidably received and selectively fixed within the slot, the
5 pressing section and the supporting portion are opposed to each other;

wherein the work piece can be retained between the pressing section
and the supporting portion.

9. The adjustable positioning device according to claim 8, wherein the
base is screwed and fixed onto the work platform.

10 10. The adjustable positioning device according to claim 8, wherein the
work piece is an LCD screen.

11. The adjustable positioning device according to claim 8, wherein the
installation of the adjustable positioning device corresponds to a measuring
and testing equipment, wherein the sockets are arrayed in matrix form on the
15 base and are selectively inserted by the bars according to a width of the work
piece and the measuring and testing position for the work piece relative to the
measuring and testing equipment.

12. The adjustable positioning device according to claim 11, wherein part of the slide block is made of metal materials, the sliding section slides along the sliding-down direction by gravity of the slide block, bringing the pressing section to move towards the supporting portion, and fixing the sliding section
5 in the slot via the fixing mechanism enables the work piece to be retained between the pressing section and the supporting portion for the measurement and test of the measuring and testing equipment.

13. A set of adjustable positioning devices having a first positioning device and a second positioning device for positioning a work piece on a work
10 platform by retaining the two sides of the work piece, wherein each of the positioning devices comprises:

a base having a plurality of sockets, the base being disposed on the work platform;

a supporting frame which has a plurality of slots, the supporting frame
15 comprising:

a supporting portion protruded from a lateral side of the supporting frame; and

a plurality of bars formed at the bottom of the supporting frame,
and the bars inserted into the sockets; and

a slide block comprising a sliding section and a pressing section,
wherein the sliding section is slidably received and selectively fixed in the
5 slot, while the pressing section and the supporting portion are opposed to
each other;

wherein the two lateral sides of the work piece are retained between
the pressing section and the supporting portion of the first and the second
positioning devices respectively.

10 14. The adjustable positioning device according to claim 13, wherein the
work piece is an LCD screen.

15 15. The adjustable positioning device according to claim 13, wherein the
installation of the adjustable positioning device corresponds to a measuring
and testing equipment, wherein the sockets are arrayed in matrix form on the
base and are selectively inserted by the bars according to a width of the work
piece and the measuring and testing position for the work piece relative to the
measuring and testing equipment.

16. The adjustable positioning device according to claim 11, wherein part of the slide block is made of metal materials, the sliding section slides along the sliding-down direction by gravity of the slide block, bringing the pressing section to move towards the supporting portion, and fixing the sliding section in the slot via the fixing mechanism enables the work piece to be retained between the pressing section and the supporting portion for the measurement and test of the measuring and testing equipment.

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